

Information Spaces

Building Bridges between the Digital and the Physical World

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Abstract

As humans, we are used to being, living and thinking in the three-dimensional, physical space that is called the “world”. It is our natural habitat.

Recently, we have become active in another world: the “digital world”, as it is often called. Unfortunately, most of our interactions with the digital world are isolated from the world that is our natural habitat. These interactions happen on screens of various sizes, either hand-held or fixed in front of our eyes (in bulky helmets or “smart” glasses). Sadly, technology is getting more and more between us.

In his keynote, Prof. Dr.-Ing. Fabian Hemmert will show us some alternatives: his prototypes explore ways of making digital information tangible, placing it in our hands and in our world. He will show us shape-changing devices and interactive rooms that interweave information and physical space. His talk will be a guided tour through a possible future of human-computer interaction, in which digital information can be retrieved intuitively, in computationally-enriched interactions with the natural world.

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